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2-4-02
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor: Teng Xu et al.) Examiner: Not Yet Signed
Serial No: 09/511,943) Art Unit: 1754
Filed: February 24, 2000) Attorney Docket No. EXMC.90860
Title: CATALYST PRETREATMENT)
IN AN OXYGENATE TO)
OLEFINS REACTION SYSTEM)

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37 C.F.R. 1.8

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Leresa Dennis
Signature

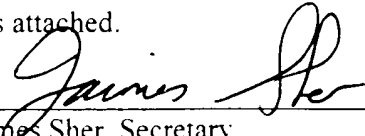
REVOCATION AND POWER OF ATTORNEY

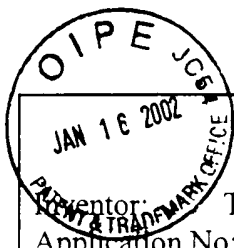
Exxon Chemical Patents Inc. hereby revokes all previous powers of attorney and appoints as its attorneys to transact all business in the Patent and Trademark Office connected with the above-identified patent application, Shook, Hardy & Bacon L.L.P., and the following attorneys of that firm: William B. Kircher, Reg. No. 22,481; James H. Marsh, Jr., Reg. No. 24,533; J. David Wharton, Reg. No. 25,717; Joseph B. Bowman, Reg. No. 25,807; Peter W. Gowdey, Reg. No. 25,872; Richard R. Johnson, Reg. No. 27,452; Walter R. Brookhart, Reg. No. 29,518; James H. Riley, II, Reg. No. 31,131; Joan Optican Herman, Reg. No. 31,968; Michael B. Hurd, Reg. No. 32,241; Richard D. Jordan, Reg. No. 33,519; Michael J. Gross, Reg. No. 35,528; William P. Jensen, Reg. No. 36,833; Chris Murphy, Reg. No. 39,786; Daniel W. Shinn, Reg. No. 40,810; B. Trent Webb, Reg. No. 40,865; Susan J. Wharton, Reg. No. 41,524; Scott B. Strohm, Reg. No. 42,172; Janine A. Carlan, Reg. No. 42,387; Clinton G. Newton, Reg. No. 42,930; John K. Hsu, Reg. No. 45,563; Ladi Shogbamimu, Reg. No. 46,291; Dennis Danella, Reg. No. 46,653; Tawni L. Wilhelm, Reg. No. 47,456; Daniel P. Devers, Reg. No. 47,523; Greg S. Donahue, Reg. No. 47,531; Justin Krieger, Reg. No. 47,719; Marshall Honeyman, Reg. No. 48,114; Bart A. Starr, Reg. No. 48,386; and Jean M. Guignon, Reg. No. 48,538.

All correspondence regarding the above applications should be addressed to:
ExxonMobil Chemical Company, P.O. Box 2149, Baytown, Texas 77522; telephone (281) 834-1978.

Statement under 37 CFR 3.73(b) is attached.

Dated: November 30, 2001


James Sher, Secretary
Exxon Chemical Patents Inc.



CERTIFICATE UNDER 37 CFR 3.73(b)

Inventor: Teng Xu et al.

Application No: 09/511,943

Filed: 02/24/00

Entitled: Catalyst Pretreatment in an Oxygenate to Olefins Reaction System

Exxon Chemical Patents Inc., a corporation, certifies that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of an undivided part interest

in the patent application identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application identified above, to the current assignee as shown below:

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☐ Copies of assignments or other documents in the chain of title are attached.

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the assignee.

November 30, 2001
Date

James Sher
James Sher, Secretary
Exxon Chemical Patents Inc.

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1. Name of conveying party(ies): Teng Xu Jeffrey L. White Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies): Name: <u>Exxon Chemical Patents Inc.</u> Street Address: <u>13501 Katy Freeway</u> City: <u>Houston</u> State: <u>Texas</u> ZIP: <u>77079</u> Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other Execution Date: <u>April 4, 2000</u> <u>April 7, 2000</u>	

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s) 09/511,943	B. Patent No.(s)
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Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning documents should be mailed: Name: <u>Bradley A. Keller</u> Internal Address: <u>ExxonMobil Chemical Company</u> <u>Law Technology</u> Mailing Address: <u>P.O. Box 2149</u> City: <u>Baytown</u> State: <u>Texas</u> ZIP: <u>77522-2149</u>	6. Total number of applications and patents involved: [1] 7. Total fee (37 CFR 1.41): <u>\$40.00</u> <input checked="" type="checkbox"/> Authorized to be charged to deposit account 8. Deposit account number: <u>05-1712</u>
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9. Statement and signature.
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

<u>Bradley A. Keller</u> Name of Person Signing	 Signature	<u>June 14, 2000</u> Date
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Total number of pages including cover sheet, attachments, and document: [2]

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**COMMISSIONER OF PATENTS AND TRADEMARKS
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WASHINGTON DC 20231**

ASSIGNMENT

INVENTOR or INVENTORS:

Teng Xu

Jeffrey L. White

In consideration of One Hundred Twenty-five Dollars (\$125.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned person(s) named above, herein referred to as UNDERSIGNED, hereby agree(s) as follows:

1) UNDERSIGNED hereby assign(s) to Exxon Chemical Patents Inc., a corporation of Delaware, its successors, legal representatives and assigns, herein referred to collectively as ASSIGNEE, the entire right, title and interest, for the United States and all foreign countries, in and to UNDERSIGNED'S invention or improvement and to all patent applications and patents covering same which is described in a patent application entitled

Catalyst Pretreatment in an Oxygenate to Olefins Reaction System,

said application having been executed on the 4th + 7th day(s) of April 2000, and being further identified as Case No. 2000B009, U.S.S.N. 09/511,943, filed February 24, 2000; and all rights of priority created by said application under provisions of international conventions or treaties.

2) UNDERSIGNED agree(s) upon the request of ASSIGNEE to execute any and all applications for and documents relating to obtaining patents and the prosecution thereof for said invention or improvement, and any continuations of such applications or substitutes therefor or registrations thereof, and any specific separate assignments of any of the above required for recording in the United States Patent and Trademark Office and any foreign patent office that ASSIGNEE may deem necessary or expedient.

3) UNDERSIGNED agree(s) that in the event of any application based on said assigned invention or improvement, or patent issued thereon, or any reissue or application for the reissue thereof, becoming involved in priority of invention proceedings, UNDERSIGNED will cooperate with ASSIGNEE to the best of the ability of UNDERSIGNED in the matter of preparing and executing all documents and giving and producing evidence in support thereof.

4) UNDERSIGNED agree(s) to perform upon ASSIGNEE'S request any and all affirmative acts to obtain United States and foreign patents covering said invention or improvement and to vest all rights therein hereby conveyed to ASSIGNEE, as fully and as entirely as the same would have been held and enjoyed by UNDERSIGNED if this assignment and sale had not been made.

5) UNDERSIGNED hereby authorize(s) ASSIGNEE's attorney to insert at paragraph 1, in this instrument the date(s) on which UNDERSIGNED executed the Declaration for the above-referenced patent application, as well as the filing date and application number thereof when known.

IN WITNESS WHEREOF, this assignment has been executed by UNDERSIGNED on the date opposite UNDERSIGNED'S NAME.

DATE 04-04-00 Teng Xu (LS)
Teng Xu, Inventor

Pete Naranjo 4/4/00
Witness (Pete Naranjo)

DATE 4-7-2000 Jeffrey L. White (LS)
Jeffrey L. White, Inventor

Inda Rios
Witness